FAX TRANSMISSION

DATE:

July 24, 2007

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Application Number

10/664,799-Conf. #3482

Patent Number

Inventor:

Radia J. Perlman

MESSAGE TO:

US Patent and Trademark Office

FAX NUMBER:

(571) 273-8300

FROM:

OSHA · LIANG LLP

Robert P. Lord

PHONE:

(713) 228-8600

Attorney Dkt. #:

33227/009001; P7898

PAGES (Including Cover Sheet):

22

CONTENTS: Transmittal (1 page)

Transmittal Letter (2 pages)

Revocation and Substitute POA under 37 CFR §1.36 with attached Appendix A (17 pages)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1996, no persons are required to respond to a collection of information unless it displays a valid OMB control number. Application Number 10/664,799-Conf. #3482 Filing Date TRANSMITTAL September 18, 2003 First Named Inventor **FORM** Radia J. Perlman Art Unit 2137 Examiner Name M. Smithers (to be used for all correspondence after initial filing) Attorney Docket Number Total Number of Pages in This Submission 33227/009001; P7898 ENCLOSURES (Check all that apply) After Allowance Communication Fee Transmittal Form Drawing(s) Appeal Communication to Board of Fee Attached Licensing-related Papers Appeals and Interferences Appeal Communication to TC Amendment/Repty Petition (Appeal Notice, Brief, Reply Brief) Petilion to Convert to a After Final Proprietary Information Provisional Application Power of Attorney, Revocation Affidavits/declaration(s) Status Letter Change of Correspondence Address Other Enclosure(s) (please Extension of Time Request Terminal Disclaimer Identify balow): Transmittal Letter (2 pages) Express Abandonment Request Request for Refund Certificate of Transmission (1 page) Information Disclosure Statement CD, Number of CD(s) Certified Copy of Priority Landscape Table on CD Document(s) Reply to Missing Parts/ Remarks Incomplete Application Reply to Missing Parts under 37 CFR 1.52 or 1.53 SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT Firm Name OSHA · LIANG LLE Signature Printed name Robert P. Lord Date Reg. No. 46,479 July 24, 2007

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A쿠 7/124/2007 6:26:37 PM [Eastern Daylight Time] * 5VR:USPTO-EFXRF-315 * DNIS:2738300 * CSID:7732288778 * DURATION (mm-ss):04-24

JUL 2 4 2007

Docket No.: 33227/009001; P7898

(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Radia J. Perlman

Application No.: 10/664,799

Confirmation No.: 3482

Filed: September 18, 2003

Art Unit: 2137

For: BLINDED ENCRYPTION AND DECRYPTION

Examiner: M. Smithers

TRANSMITTAL LETTER

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

Enclosed are the following items for filing in connection with the abovereferenced Patent Application:

- Transmittal (1 page);
- 2. Revocation and Substitute POA under 37 CFR §1.36 with attached Appendix A (17 pages); and
- 3. Certificate of Transmission (1 page).

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in

PAGE 4/22 * RCVD AT 7/24/2007 6:26:37 PM [Eastern Daylight Time] * SVR:USPTO-EFXRF-3/5 * DNIS:2738300 * CSID:7/32288778 * DURATION (mm-ss):04-24

Application No.: 10/664,799

Docket No.: 33227/009001; P7898

this application by this firm) to our Deposit Account No. 50-0591, under Order No. 33227/009001; P7898.

Dated: July 24, 2007

Respectfully submitted,

Robert P. Lord

Registration No.: 46,479 OSHA - LIANG LLP

1221 McKinney St., Suite 2800

Houston, Texas 77010

(713) 228-8600

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

JUL 2 4 2007

Name of Applicant and Assignee: Address of Applicant and Assignee: SUN MICROSYSTEMS, INC. 4150 Network Circle

Santa Clara, CA 95054

Commissioner for Patents P. O. Box 1450 Alexandria, VA 22313-1450

REVOCATION AND SUBSTITUTION OF POWER OF ATTORNEY UNDER 37 C.F.R. §1.36

Dear Sir:

Pursuant to 37 C.F.R. §1.36, Sun Microsystems, Inc., the applicant and assignee of the patent applications listed on the attached APPENDIX A, revokes all previous powers of attorney in the patent applications listed on the attached APPENDIX A, hereby appoints the following attorneys and/or agents assigned to the Customer Number listed below to prosecute the patent applications listed on the attached APPENDIX A, and to transact all business in the U.S. Patent and Trademark Office connected therewith:

Customer Number 32615

32615
PATENT TRADEMARK OFFICE

Please direct all correspondence and telephone calls concerning the patent applications listed on the attached APPENDIX A to:

Robert P. Lord
OSHA • LIANG LLP
1221 McKinney Street, Suite 2800
Houston, Texas 77010
Telephone No.: (713) 228-8600
Facsimile No.: (713) 228-8778

Further, please change the attorney/docket number corresponding to the patent applications listed in APPENDIX A from the attorney/docket number on file to that indicated on APPENDIX A.

PAGE 6/22* RCVD AT 7/24/2007 6:26:37 PM [Eastern Daylight Time]* SVR:USPTO-EFXRF-3/5* DNIS:2738300* CSID:7132288778* DURATION (mm-ss):04-24

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the above-identified applicant.

The undersigned hereby declares that all statements made herein of the undersigned's own knowledge are true, that all statements made on information and belief are believed to be true, and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the sixteen patent applications listed on the attached APPENDIX A or any patents issuing thereon.

Signature:

Joseph A. Twarowski

Title:

Name:

Assistant General Counsel

Sun Microsystems, Inc.

197121_1

Dated:

APPENDIX A

1. Patent Application/Serial No.: 10/799,049

Title: GARBAGE-FIRST GARBAGE

COLLECTION

Filed: 3/12/2004

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 015079/0946

Reference No: 33226/940001; SUN040074

2. Patent Application/Serial No.: 10/394,813

Title: ELISION OF WRITE BARRIERS FOR

STORES WHOES VALUES ARE IN

CLOSE PROXIMITY

Filed: 3/21/2003

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 013905/0661

Reference No: 33227/023001; P7479

3. Patent Application/Serial No.: 09/551,113

Title: CONCURRENT SHARED OBJECT

IMPLEMENTED USING A LINKED-LIST WITH AMORTIZED NODE

LIST WITH ANOCHIZE

ALLOCATION

Filed: 4/18/2000

Applicant: Sun Microsystems, Inc.

Reference No: 33226/960000; P4665

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Patent Application/Serial No.: 10/664,799

Title: BLINDED ENCRYPTION AND

DECRYPTION

Filed: 9/18/2003

Applicant: Sun Microsystems, Inc.

Reference No: 33227/009001

5. Patent Application/Serial No.: 10/313,878

Patent No.: '7,143,124

Title: DECETION OF DEAD REGIONS

DURING INCREMENTAL

COLLECTION

Filed: 12/6/2002

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 013559/0709

Reference No: 33226/977001; P8275

6. Patent Application/Serial No.: 09/547,288

Title: MAINTAINING A DOUBLE-ENDED

QUEUE IN A CONTIGUOUS ARRAY

WITH CONCURRENT NON-

BLOCKING INSERT AND REMOVE OPERATIONS USING A DOUBLE COMPARE-AND-SWP PRIMITIVE

Filed: 4/11/2000

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 010712/0617

Reference No: 33226/959002; P4663

7. Patent Application/Serial No.: 10/861,704

Title: THREAD SUSPENSION SYSTEM AND

METHOD

Filed: 6/4/2004

Applicant: Sun Microsystems, Inc.

Reference No: 33226/955002; P2927 C

8. Patent Application/Serial No.: 09/454,427

Title: DYNAMIC EMBEDDING OF LITERAL

OBJECT DATA IN SUPPLIED INSTANCE OF INFORMATION

OBJECT

Filed: 12/3/1999

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 010448/0577

Reference No: 33226/956001; P3916

9. Patent Application/Serial No.: 11/099,720

Title: SEQUENTIALLY PERFORMED

COMPARE-AND-SWAP

Filed: 4/6/2005

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 016661/0899

Reference No: 33226/962002; P4667-US-DIV-1

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10. Patent Application/Serial No.: 09/710,218

JUL 2 4 **2007**

Patent No.: 7,117,502

Title: LINKED-LIST IMPLEMENTATION OF

DATA STRUCTURE WITH

CONCURRENT NON-BLOCKING INSERT AND REMOVE OPERATIONS

Filed: 11/10/2000

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 011305/0889

Reference No: 33226/963001; P4896

11. Patent Application/Serial No.: 10/996,508

Title: WORK-STEALING QUEUES FOR

PARALLEL GARBAGE COLLECTION

Filed: 11/23/2004

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 011270/0285

Reference No: 33226/964002; P4946C1

12. Patent Application/Serial No.: 60/204,184

Title: PARALLEL GARBAGE COLLECTION

FOR SHARED MEMORY MULTIPROCESSORS

Filed: 5/15/2000

Applicant: Sun Microsystems, Inc.

Reference No: 33226/964000; P4948

13. Patent Application/Serial No.: 09/697,729

Patent No.: 6,823,351

Title: WORK-STEALING QUEUES FOR

PARALLEL GARBAGE COLLECTION

Filed: 10/26/2000

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 011270/0285

Reference No: 33226/964001; P4946

14. Patent Application/Serial No.: 09/893,256

Patent No.: 7,103,887

Title: LOAD-BALANCING QUEUES

EMPLOYING LIFO/FIFO WORK

STEALING

Filed: 6/27/2001

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 011943/0085

Reference No: 33226/966001; P5388

15. Patent Application/Serial No.: 10/166,874

Title: PREFETCHING TECHNIQUES FOR

NETWORK INTERFACES

Filed: 6/11/2002

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 013001/0641

Reference No: 33226/967001; P7322

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16. Patent Application/Serial No.: 10/679,183

Title: DEFERRING AND COMBINING

WRITE BARRIERS FOR A GARBAGE-

COLLECTED HEAP

Filed: 10/3/2003

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 014590/0742

Reference No: 33226/971001; P7863

17. Patent Application/Serial No.: 10/653,828

Title: SHARED SYNCHRONIZED SKIP-LIST

DATA STRUCTURE AND TECHNIQUE EMPLOYING LINEARIZABLE OPERATIONS

Filed: 9/3/2003

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 014483/0341

Reference No: 33226/972001; P7982

18. Patent Application/Serial No.: 10/991,148

Title: USE OF MEMORY PROTECTION TO

IMPLEMENT REPLICATING

COLLECTION IN A INCREMENTAL. COPYING GARBAGE COLLECTOR

Filed: 11/17/2004

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 016007/0616

Reference No: 33226/974001; P8226

19. Patent Application/Serial No.: 10/881.101

Title: USING CLASS PROPERTIES TO

DEGREGATE OBJECTS IN A

GENERATION MANAGED BY THE

TRAIN ALGORITHM

Filed: 6/30/2004

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 015539/0072

Reference No: 33226/975001; P8231

20. Patent Application/Serial No.: 11/021,287

Title: METHOD AND APPARATUS FOR

FORWARDING REFERENCES TO OBJECTS CONCURRENTLY WITH SPACE-INCREMENTAL GARBAGE

COLLECTION

Filed: 12/23/2004

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 015627/0335

Reference No: 33226/976001; P8274

21. Patent Application/Serial No.: 10/313,878

Patent No.: 7,143,124

Title: DETECTION OF DEAD REGIONS

DURING INCREMENTAL

COLLECTION

Filed: 12/6/2002

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 013559/0709

Reference No: 33226/977001; P8275

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22. Patent Application/Serial No.: 10/930,483

Title: IMPROVED SCANNING OF

EVACUATED OBJECTS IN A

GENERATION MANAGED BY THE

TRAIN ALGORITHM

Filed: 8/31/2004

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 015782/0538

Reference No: 33226/978001; P8276

23. Patent Application/Serial No.: 10/391,405

Title: PARALLEL CACHING OF

INSERTIONS INTO REMEMBERED

SETS

Filed: 3/18/2003

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 013890/0128

Reference No: 33226/979001; P8303

24. Patent Application/Serial No.: 11/131,827

PAGE 14/22

Title: METHOD AND APPARATUS FOR

CONCURRENTLY PROCESSING REMEMBERED SETS IN A SPACE-

INCREMENTAL GARBAGE

COLLECTOR

Filed: 5/18/2005

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 016366/0209

Reference No: 33226/981001; P8317

25. Patent Application/Serial No.: 10/309,503

Patent No.: 7,136,887

Title: METHOD AND MECHANISM FOR

FINDING REFERENCES IN A CARD IN TIME LINEAR IN THE SIZE OF

THE CARD IN A GARBAGE-

COLLECTED HEAP

Filed: 12/4/2002

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 013550/0405

Reference No: 33226/982001; P8318

26. Patent Application/Serial No.: 10/799,186

Title: EXPLOITING POPULAR OBJECTS TO

REDUCE MUTATOR OVERHEAD

Filed: 3/12/2004

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 015091/0736

Reference No: 33226/984001; SUN040081

27. Patent Application/Serial No.: 10/986,527

Title: EXPLOITING POPULAR OBJECTS TO

REDUCE MUTATOR OVERHEAD

Filed: 11/11/2004

Applicant: Sun Microsystems, Inc.

Recl/Frame No.: 015983/0321

Reference No: 33226/984002; SUN040081

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28. Patent Application/Serial No.: 10/799,187

Title: CONCURRENT-MARKING-

INITIATION HEURISTIC

Filed: 3/12/2004

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 015095/0376

Reference No: 33226/983001; SUN040079

29. Patent Application/Serial No.: 10/986,401

Title: CONCURRENT-MARKING-

INITIATION HEURISTIC

Filed: 11/11/2004

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 016020/0320

Reference No: 33226/983002; SUN040079-CIP

30. Patent Application/Serial No.: 11/090,398

Title: METHOD AND APPARATUS FOR

SWITCHING BETWEEN PER-THREAD AND PER-PROCESSOR RESOURCE POOLS IN MULTI-THREADED

PROGRAMS

Filed: 3/25/2005

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 016300/0319

Reference No: 33226/987001; SUN040951

31. Patent Application/Serial No.: 11/215,510

Title: METHOD AND APPARATUS FOR

SELECTIVELY ELIMINATING WRITE BARRIERS IN SNAPSHOT-AT-THE-

BEGINNING CONCURRENT-

MARKING GARBAGE COLLECTORS

Filed: 8/30/2005

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 016542/0156

Reference No: 33226/989001; SUN041094

32. Patent Application/Serial No.: 11/128,791

Title: METHOD AND APPARATUS FOR

REDUCING REMEMBERED SET OVERHEAD IN A GENERATIONAL

GARBAGE COLLECTOR BY

CONSTRAINING COLLECTION SET

CHOICE

Filed: 5/13/2005

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 016336/0241

Reference No: 33226/990001; SUN041424

33. Patent Application/Serial No.: 11/021,260

Title: METHOD AND APPARATUS FOR

ISOLATING SELECTED HEAP OBJECTS USING A FAULTING

ADDRESS TRAP

Filed: 12/23/2004

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 015627/0286

Reference No: 33226/991001; SUN041505

34. Patent Application/Serial No.: 11/091,611

JUL 2 4 2007

Title: METHOD AND APPARATUS FOR

IMPROVING PARALLEL MARKING GARBAGE COLLECTORS THAT USE

EXTERNAL BITMAPS

Filed: 3/28/2005

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 016082/0276

Reference No: 33226/992001; SUN050023

35. Patent Application/Serial No.: 11/091,032

Title: METHOD AND APPARATUS FOR

RECORDING MODIFIED REFERENCE

LOCATIONS IN GARBAGE-COLLECTED HEAP MEMORY

Filed: 3/28/2005

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 016082/0191

Reference No: 33226/993001; SUN050025

36. Patent Application/Serial No.: 11/218,145

Title: METHOD AND APPARATUS FOR

DYNAMICALLY PRE-TENURING OBJECTS IN A GENERATIONAL GARBAGE COLLECTION SYSTEM

Filed: 9/1/2005

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 016542/0121

Reference No: 33226/994001; SUN050202

37. Patent Application/Serial No.: 11/218,179

Title: METHOD AND APPARATUS FOR

BYTE ALLOCATION ACCOUNTING IN A SYSTEM HAVING A MULTI-THREADED APPLICATION AND A

GENERATIONAL GARBAGE

COLLECTOR THAT DYNAMICALLY

PRE-TENURES OBJECTS

Filed: 9/1/2005

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 016542/0109

Reference No: 33226/995001; SUN050203

38. Patent Application/Serial No.: 11/474,599

Title: APPARATUS AND METHOD FOR

COORDINATED VIEWS OF

CLUSTERED DATA

Filed: 6/26/2006

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 017917/0010

Reference No: 33226/996001; SUN050482

39. Patent Application/Serial No.: 11/477,021

Title: METHOD AND APPARATUS FOR

SEARCHING AND RESOURCE DISCOVERY IN A DISTRIBUTED

ENTERPRISE SYSTEM

Filed: 6/28/2006

Applicant: Sun Microsystems, Inc.

Reference No: 33226/997001; SUN050600

JUL 2 4 2007

40. Patent Application/Serial No.: 11/413,641

Title: METHOD AND APPARATUS FOR

BROWSING SEARCH RESULTS VIA A

VIRTUAL FILE SYSTEM

Filed: 4/28/2006

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 017754/0711

Reference No: 33226/998001; SUN050633

41. Patent Application/Serial No.: 11/182,539

Title: METHOD AND APPARATUS FOR

GENERATING MEDIA PLAYLISTS BY DEFINING PATHS THROUGH MEDIA

SIMILARITY SPACE

Filed: 7/15/2005

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 016366/0563

Reference No: 33226/999001; SUN050732

42. Patent Application/Serial No.: 10/800,363

Title: MIXING COPYING COLLECTION

AND CONCURRENT MARKING

Filed: 3/12/2004

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 015983/0314

Reference No: 33226/938000; SUN040073

43. Patent Application/Serial No.: 09/837,669

Patent No.: 7,017,160

Title: CONCURRENT SHARED OBJECT

IMPLEMENTED USING A LINKED-LIST WITH AMORTIZED NODE

ALLOCATION

Filed: 4/18/2001

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 011734/0644

Reference No: 33226/960001; P4665-CIP-0

44. Patent Application/Serial No.: 11/384,627

Title: CONCURRENCY TECHNIQUE FOR

SHARED OBJECTS

Filed: 3/20/2006

Applicant: Sun Microsystems, Inc.

Reference No: 33226/960002; P4665US-CON-0